

SEGS I & II O & M Status



Dale Carnegie &
Associates

Copyright, 1996 © Dale Carnegie & Associates, Inc.

Performance Overview

- 1998 Daggett site NIP kW/m²/day **7.421**.
- Average solar field availability > 98.5 % (non-cannibalized field).
- 1998 broken HCE's approx. 35% LS-1 and 30% LS-2 at a rate of 2.5% to %5 annually.
- Performance trend for SEGS I 1991-1998

Top Four Problems

- HCE breakage.
- Reflector Panel breakage and cost efficient replacements.
- Solar Field Insulation.
- SEGS I Heat Exchanger fouling..

Expanded DOE Program

- Continued emphasis on Low Cost Mirrors.
- Development of a selective coating for non vacuum tubes.
- Assessment of Thermal Storage Options including safety and efficiency concerns.

Suggested Improvements on New Plants.

- Shared resources for common plants.
- Standardized equipment enabling user group formation.